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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/760,840	01/17/2001	Kyung Mee Lee	0465-0792P	4574

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EXAMINER

BELIVEAU, SCOTT E

ART UNIT PAPER NUMBER

2614

DATE MAILED: 08/11/2004

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/760,840

Applicant(s)

LEE, KYUNG MEE

Examiner

Scott Beliveau

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-19 is/are allowed.
- 6) ☐ Claim(s) ____ is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 January 2001 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date ____.
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: ____.

DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Drawings

2. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the step of “inserting an event_id in a table_id_extension of each ETT section header” (Claim 1) which is subsequently utilized in connection with “section filtering” (Claims 8 and 11) must be shown or the feature(s) canceled from the claim(s). Figure 3 illustrates a high level filtering and parsing process, however, it fails to particularly illustrate that the “section filtering” step particularly uses an “event_id value in a table_id extension of ETT sections” for the purposes of filtering. No new matter should be entered.

Corrected drawing sheets are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as “amended.” If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering

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of the remaining figures. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

3. The disclosure is objected to because the term "gemster" should be amended to read "Gemstar" (Page 3, Line 1). Appropriate correction is required.
4. The use of the trademark Gemstar® has been noted in this application. It should be capitalized wherever it appears and be accompanied by the generic terminology. Although the use of trademarks is permissible in patent applications, the proprietary nature of the marks should be respected and every effort made to prevent their use in any manner which might adversely affect their validity as trademarks.

Allowable Subject Matter

5. Claims 1-19 are allowed.
6. The following is a statement of reasons for the indication of allowable subject matter:
The art of record either alone or in combination fails to particularly disclose or suggest the particular insertion and subsequent processing of an extended text table wherein an "event_id" is inserted into a "table_id_extension" ETT sections.

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With respect to claim interpretation, the particular terms “event_id”, “table_id_extension”, and ETT were given their art recognized meaning with respect to the ATSC standard in view of the instant application. The “Program and System Information Protocol for Terrestrial Broadcast and Cable A/65” (hereafter, the PSIP document), sets forth the usage of the “event_id” (Section 6.5 – Event Information Table (EIT)), as specifying the identification number of the event described. As set forth in applicant’s related art and the PSIP document, the “event_id” is utilized in the “ETM_id” field of the ETT table (Section 6.6 – Extended Text Table). The standard requires that the “table_id_extension” field is set to 0x00. Accordingly, there is no suggestion or teaching to modify the standard so as to particularly insert the “event_id” into the “table_id_extension” of the ETT. Rather, the standard explicitly teaches away from doing so.

The Tsurumoto reference appears to be directed towards the same problem of applicant’s, however, it similarly teaches away from the claimed invention. In particular, while the reference utilizes a separate “event_id” within the ETT, it discloses that the “table_id_extension” field is populated with a value such as a channel number. Accordingly, there is no teaching or suggestion so as to modify the reference so as to utilize the “table_id_extension” field for population with the “event_id” without engaging in impermissible hindsight.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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- The PSIP document defines a standard for System Information (SI) and Program Guide (PG) data compatible with digital multiplex bit streams constructed in accordance with the ISO/IEC 13818-1 (MPEG-2 Systems).
- The Ozkan et al. (US Pat No. 6,115,074) reference discloses a system and method for filtering program guide data on the basis of sections.
- The Tsurumoto (US Pat No. 6,510,555) reference discloses a system and method for efficiently transmitting EPG information.
- The Friemann (US Pat No. 6,604,243) reference discloses a fast matching algorithm that uses a memory space efficient data structure to accomplish information filtering in a set top box.
- The Anderson et al. (US Pat No. 6,091,772) reference discloses a method for decoding MPEG-2 compliant data streams using table section filtering.

This application is in condition for allowance except for the following formal matters:

- Objection to Drawings
- Objection to Specification.

Prosecution on the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire TWO MONTHS from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Scott Beliveau whose telephone number is 703-305-4907.

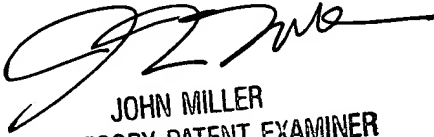
The examiner can normally be reached on Monday-Friday from 8:30 a.m. - 6:00 p.m..

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John W. Miller can be reached on 703-305-4795. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SEB
August 3, 2004


JOHN MILLER
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600